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10 REM LETTER EDITOR BY DON TIPPMANN, TIPCO, 213-455-8133, DOWNEY, CA
20 REM
30 YP=50 \REM LINES PER PAGE
40 M=8 \REM LEFT MARGIN FOR TERMINAL
50 M1=0 \REM TOP MARGIN FOR PRINTER
60 M2=0 \REM LEFT MARGIN FOR PRINTER
70 E=1 \REM PAGE EJECT (1=ON)
80 P4=1 \REM PAUSE (1=ON)
90 S6=1 \REM SPACES PER LINE (1=SINGLE SPACE)
100 L=64 \REM LINE LENGTH
110 L6=66 \REM MAXIMUM LINE LENGTH
120 B1=10 \REM NUMBER OF LINES IN PRINT BLOCK
130 C6=1 \REM NUMBER OF COPIES
140 O=1 \REM OUTPUT DEVICE (1=PRINTER PORT 1)
150 D4=0 \REM DELAY
160 REM
170 S1=INT(FREE(1)/2-500)\C=INT(S1/L-1)\S=INT(S1/255+1)
180 LINE 164
190 ERRSET 2230,L4,E4
200 DIM A$(S1),B$(L6+1),C$(L6),E$(L6),F$(L6),S$(L6),X1$(20),M$(18),N$(18)
210 M$="LISAEDFGMCHTBNRQ"\N$="lisaedfgmchtnrq"\Y=1
220 FOR I=1 TO L6\S$=S$+" "\NEXT - Initiative St
230 PRINT TAB(5),"LETTER EDITOR"
240 GOTO 700
250 REM ***** MAIN PROGRAM
260 PRINT\INPUT1">";X$
270 FOR I=1 TO 16\IF X$=M$(1,I) THEN EXIT 480\NEXT
280 FOR I=1 TO 16\IF X$=N$(1,I) THEN EXIT 480\NEXT
290 IF LEN(X$)>=2 THEN 300\GOTO 260
300 IF X$<>"OU" THEN 310\INPUT " O = TERMINAL / 1 = PRINTER ",O
310 IF X$<>"LP" THEN 320\INPUT " LINES PER PAGE ",X3\GOTO 260
320 IF X$<>"TM" THEN 330\INPUT " TOP MARGIN ",M1
330 IF X$<>"SP" THEN 340\INPUT " SINGLE = 1 / DOUBLE = 2",S6
340 IF X$<>"LM" THEN 350\INPUT " LEFT MARGIN ",M2\GOTO 260
350 IF X$<>"EJ" THEN 360\INPUT " O = NO EJECT / 1 = EJECT ",E
360 IF X$<>"PA" THEN 370\INPUT " O = NO PAUSE / 1 = PAUSE ",P4\GOTO 260
370 IF X$<>"NC" THEN 380\INPUT " NUMBER OF COPIES ",C6
380 IF X$<>"DL" THEN 390\INPUT " NUMBER OF DELAY LOOPS ",D4
390 IF X$<>"LL" THEN 420\IF N>0 THEN 410\INPUT1", ENTER LINE LENGTH ",L
400 IF L>L6 THEN L=L6\IF L<12 THEN L=12\C=INT(S1/L-1)
410 PRINT " CAPACITY IS ",C," LINES LENGTH ",L\GOTO 260
420 IF X$="EN" THEN 1690
430 IF X$="PR" THEN 1370
440 IF X$(1,1)="P" THEN 450\IF X$(1,1)="P" THEN 450\GOTO 460
450 Y=VAL(X$(2,LEN(X$)))\IF Y>N THEN Y=N\IF Y<1 THEN Y=1\GOSUB 2210\GOTO 2
460 IF X$(1,1)="L" THEN 1890\IF X$(1,1)="1" THEN 1890
470 GOTO 260 L I S A E D F G M C H T B N R
480ONIGOTO1890,910,1810,1140,910,820,1580,730,700,1980,1750,490,500,510,52
490 IF N=0 THEN 260\Y=1\GOSUB 2210\GOTO 260
500 IF N=0 THEN 260\Y=N\GOSUB 2210\GOTO 260
510 IF N=0 THEN 260\Y=Y+1\IF Y>N THEN Y=N\GOSUB 2210\GOTO 260
520 INPUT " REMOVE WHICH FILE ",X1$\DESTROY X1$
530 PRINT " FILE ",X1$," HAS BEEN DESTROYED",\GOTO 260
540 STOP\GOTO 260

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550 REM ***** MENU ROUTINE
560 DATA "EDIT", "FILE", "PRINTER", "OTHER"
570 DATA "-----", "-----", "-----", "-----"
580 DATA "L=LIST", "F=FILE", "EN=ENVELOPE", "M=MENU"
590 DATA "C=COMPRESS", "G=GET A FILE", "SP=SPACE", "D=QUIT"
600 DATA "I=INSERT", "R=REMOVE A FILE", "PR=PRINTOUT", ""
610 DATA "P=POINT", "H=HOLD", "OU=OUTPUT DEVICE", ""
620 DATA "A=ALTER", "", "LM=LEFT MARGIN", ""
630 DATA "E=ENTER", "", "TM=TOP MARGIN", ""
640 DATA "D=DELETE", "", "EJ=PAGE EJECT", ""
650 DATA "S=SEARCH", "", "LP=LINES PER PAGE", ""
660 DATA "T=TOP", "", "LL=LINE LENGTH", ""
670 DATA "B=BOTTOM", "", "NC=NUMBER OF COPIES", ""
680 DATA "N=NEXT", "", "PA=PAUSE", ""
690 DATA "", "", "DL=DELAY", ""
700 PRINT\ PRINTTAB(33), "MENU"\PRINT
710 FOR I=1 TO 14\FOR J=1 TO 4\READ X1$\PRINTTAB(J*20-15), X1$, \NEXT\PF
720 RESTORE\PRINT\PRINT " CAPACITY IS ", C, " LINES LINE LENGTH ", L\GC
730 REM ***** GET FILE ROUTINE
740 INPUT1" GET WHICH DOCUMENT ", U$
750 IF FILE(U$)=3 THEN 770
760 PRINT " DOCUMENT NOT FOUND"\GOTO 260
770 OPEN #0, U$
780 READ #0, N, L\IF N=0 THEN 790\READ #0%L, A$(1, N*L)
790 CLOSE #0
800 PRINT " DOCUMENT HAS ", N, " LINES LINE LENGTH ", L
810 Y=1\C=INT(S1/L-1)\GOTO 260
820 REM ***** DELETE ROUTINE
830 IF N=0 THEN 260\IF Y=N THEN 880\IF Y=1 THEN 860
840 A$(1, N*L)=A$(1, (Y-1)*L)+A$(Y*L+1, N*L)
850 GOTO 890
860 A$(1, N*L)=A$(Y*L+1, N*L)
870 GOTO 890
880 Y=Y-1\IF Y<1 THEN Y=1
890 N=N-1
900 PRINT " LINE DELETED"\GOTO 260
910 REM ***** INSERT / ENTER ROUTINE
920 IF N<C THEN 930\PRINT " FILLED TO CAPACITY"\GOTO 260
930 IF X$="E" THEN Y=N
940 FOR K=Y-5 TO Y
950 IF K<1 THEN 970
960 PRINTTAB(3), %3I, K, TAB(M), "!", A$((K-1)*L+1, K*L), "!"
970 NEXT
980 FOR I=Y+1 TO C\IF N>=C THEN EXIT 1120
990 PRINTTAB(3), %3I, I, TAB(M), "!", TAB(L+M+1), "!",
1000 FOR K=1 TO L+1\PRINT CHR$(8), \NEXT
1010 INPUT1"", B$\IF B$<>"0" THEN 1030
1020 FOR K=1 TO M\PRINT CHR$(8), \NEXT\PRINT S$, S$(1, M), \GOTO 260
1030 PRINT\IF B$="" THEN B$=" "
1040 IF B$(1, 1)<>"." THEN 1060
1050 B$=S$(1, L/2-(LEN(B$)-1)/2)+B$(2, LEN(B$))
1060 B$=B$+S$
1070 C$=B$(1, L)
1080 N=N+1
1090 A$(I*L+1, N*L+L)=A$((I-1)*L+1, N*L)
1100 A$((I-1)*L+1, I*L)=C$(1, L)
1110 Y=Y+1\NEXT
1120 PRINT "FILLED TO CAPACITY"
1130 GOTO 260

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Total # of Char

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1150 GOSUB 2210
1160 INPUT "OLD STRING: ", B$ \ B=LEN(B$)
1170 IF B$="" THEN 260
1180 PRINT
1190 FOR I=1 TO L-B+1 \ IF A$((Y-1)*L+I, (Y-1)*L+I+B-1)=B$ THEN 1220 \ NEXT
1200 PRINT "STRING NOT FOUND"
1210 GOTO 1160
1220 IF I=1 THEN 1240
1230 E$=A$((Y-1)*L+1, (Y-1)*L+I-1) \ GOTO 1250
1240 E$=""
1250 IF (Y-1)*L+I+B > Y*L THEN 1290
1260 F$=A$((Y-1)*L+I+B, Y*L) \ F1=LEN(F$)
1270 FOR K=F1 TO 1 STEP -1 \ IF F$(K, K) > " " THEN 1300 \ NEXT
1280 F$="" \ GOTO 1310
1290 F$="" \ F=0 \ F1=0 \ GOTO 1310
1300 F$=F$(1, K)
1310 PRINT TAB(3), X3I, Y, TAB(M), "!", E$, S$(1, B), TAB(M+L-LEN(F$)+1), F$, "!",
1320 FOR J=1 TO B+F1+1 \ PRINT CHR$(8), \ NEXT
1330 INPUT "", C$
1340 A$((Y-1)*L+1, Y*L)=E$+C$+F$+S$
1350 GOSUB 2210
1360 GOTO 260
1370 REM ***** PRINTOUT ROUTINE
1380 IF N=0 THEN 260
1390 FOR I=1 TO C6 \ PRINT
1400 FOR J=1 TO M1 \ PRINT #0 \ NEXT
1410 FOR J=1 TO N
1420 B$=A$((J-1)*L+1, J*L)
1430 IF B$(1, 1)="!" THEN 1500 \ IF B$(1, 1)="\ " THEN IF X4 > X3-B1 THEN 1500
1440 IF B$(1, 1)="\ " THEN B$(1, 1)=" "
1450 FOR K=1 TO D4 \ NEXT
1460 PRINT #0, TAB(M2), B$(1, L)
1470 X4=X4+1
1480 IF S6=1 THEN 1490 \ PRINT #0 \ X4=X4+1
1490 IF X4 < X3 THEN 1540
1500 X4=0
1510 IF E=1 THEN PRINT #0, CHR$(12)
1520 IF P4=1 THEN INPUT "INSERT NEW SHEET ", X$
1530 FOR K=1 TO M1 \ PRINT #0 \ NEXT
1540 NEXT J
1550 X4=0 \ IF E=1 THEN PRINT #0, CHR$(12)
1560 NEXT I
1570 GOTO 260
1580 REM ***** FILE ROUTINE
1590 INPUT " ENTER FILE NAME ", U$
1600 IF FILE(U$) < 0 THEN 1630
1610 INPUT " EXISTING FILE WILL BE ERASED OK? ", X$
1620 IF X$ < "Y" THEN 260 \ GOTO 1640
1630 CREATE U$, S
1640 OPEN #0, U$
1650 IF N=0 THEN 1660 \ WRITE #0 \ L, A$(1, N*L)
1660 WRITE #0 \ 0, N, L \ CLOSE #0
1670 PRINT " DOCUMENT "<U$, "< HAS BEEN FILED" \ GOTO 260
1680 REM ***** ENVELOPE ROUTINE
1690 INPUT "INSERT ENVELOPE", X$
1700 FOR I=1 TO 10 \ IF A$((I-1)*L+1, (I-1)*L+1) < " " THEN EXIT 1710 \ NEXT
1710 FOR I=1 TO I+5 \ IF A$((I-1)*L+1, (I-1)*L+1)="" THEN EXIT 1740
1720 PRINT #0, TAB(30), A$((I-1)*L+1, (I-1)*L+40) \ NEXT
1730 IF E=1 THEN PRINT #0, CHR$(12)
1740 GOTO 260

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Lines/page

WT=0
FOR W=1 TO L
IF WT < 0 THEN
IF B\$(-W, W) < " " WT = W
NEXT W


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1750 REM ***** HOLD ROUTINE
1760 IF N<0 THEN 1770\PRINT " NO TEXT TO FILE"\GOTO 260
1770 IF FILE("HOLD")<0 THEN CREATE "HOLD",S
1780 OPEN #0,"HOLD"\WRITE #0%0,N,L\WRITE #0%L,A$(1,N*L)\CLOSE #0
1790 PRINT " DOCUMENT WRITTEN TO HOLD FILE"\GOTO 260
1800 REM ***** SEARCH ROUTINE
1810 INPUT1" ENTER STRING ",F$\F1$=F$(1,1)
1820 FOR I=(Y-1)*L+1 TO N*L\IF F1$ =A$(I,1) THEN 1850
1830 NEXT
1840 PRINT " END OF SEARCH"\GOTO 260
1850 IF F$<>A$(I,I+LEN(F$)-1) THEN 1830
1860 Y=INT(I/L)+1
1870 PRINT\GOSUB 2210
1880 INPUT1"CONTINUE SEARCH? ",G$\IF G$="Y" THEN 1830\GOTO 260
1890 REM ***** LIST ROUTINE
1900 IF N=0 THEN 260
1910 IF X$="L" THEN 1950\IF X$="I" THEN 1950
1920 Y2=VAL(X$(2,LEN(X$)))
1930 IF Y2+Y>N THEN Y2=N-Y+1\IF Y2<1 THEN 260
1940 GOTO 1960
1950 Y2=N-Y+1
1960 FOR J=Y TO Y+Y2-1\PRINTTAB(3), %3I,J,TAB(M),"I",A$((J-1)*L+1,J*L),"I"\NEXT
1970 Y=J-1\GOTO 260
1980 REM ***** COMPRESS ROUTINE
1990 Y2=Y
2000 FOR I=Y TO N\IF A$((I-1)*L+1,I*L)=S$(1,L) THEN EXIT 2010\NEXT
2010 N1=I-Y\N2=N1
2020 FOR I=1 TO N1\FOR J=1 TO 100
2030 FOR K=L TO 1 STEP -1\IF A$((Y-1)*L+K,(Y-1)*L+K)>" " THEN EXIT 2040\NEXT
2040 S3=L-K\IF A$((Y-1)*L+K,(Y-1)*L+K)="." THEN S3=S3-1
2050 IF A$(Y*L+1,Y*L+L)>S$(1,L) THEN 2100
2060 IF I=N1 THEN EXIT 2160\IF Y=N-1 THEN 2080
2070 A$(Y*L+1,(N-1)*L)=A$((Y+1)*L+1,N*L)\A$((N-1)*L+1,N*L)=S$(1,L)
2080 N=N-1\N2=N2-1
2090 EXIT 2160
2100 FOR K=1 TO 20\IF A$(Y*L+K,Y*L+K)=" " THEN EXIT 2110\NEXT
2110 S4=K\IF S3<S4 THEN EXIT 2150
2120 A$((Y-1)*L+1,Y*L)=A$((Y-1)*L+1,Y*L-S3+1)+A$(Y*L+1,Y*L+S4)
2130 A$(Y*L+1,Y*L+L)=A$(Y*L+S4+1,Y*L+L)+S$
2140 NEXT J
2150 Y=Y+1
2160 NEXT I
2170 Y=Y2-1
2180 IF N2>N-1 THEN N2=N-1
2190 FOR I=1 TO N2+1\Y=Y+1\GOSUB 2210\NEXT
2200 GOTO 260
2210 REM ***** PRINT A LINE
2220 PRINTTAB(3), %3I,Y,TAB(M),"I",A$((Y-1)*L+1,Y*L),"I"\RETURN
2230 REM ***** ERROR TRAP
2240 IF E4=15 THEN STOP
2250 IF E4=8 THEN PRINT " HARD DISK ERROR"
2260 IF E4=3 THEN PRINT " OUT OF BOUNDS ERROR"
2270 IF E4=7 THEN PRINT " FILE ERROR - NO DISK ACCESS"
2280 ERRSET 2230,L4,E4
2290 GOTO 260

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